

ABSTRACT

A method of milling cerium compound by means of a ball mill using a milling medium, characterized in that ratio H_b/r of radius r of a cylindrical ball mill container and depth H_b of the milling medium in the ball mill container disposed horizontally ranges from 1.2 to 1.9, and the ball mill container is rotated at a rotational speed which is 50% or less of critical rotational speed $N_c=299/r^{1/2}$ of the ball mill container converted from the radius r expressed in centimeter. The milling method can be carried out in a wet or dry process, and the cerium compound is preferably cerium oxide. The method can be also applied for producing a cerium compound slurry.